



João Reis

Software Engineer

Hi, I'm a recent master's graduate in computer science and engineering, excited to combine my academic knowledge with real-world experience. Beyond my studies, I've always wanted to challenge myself by staying active in different projects and professional areas. I see myself as energetic and relaxed, but also hard-working and diligent, always open to new opportunities.

Work Experience

Research Grant

Institute of Electronics and Informatics Engineering of Aveiro (IEETA)

November 2023 to Present

Aveiro, Portugal

- Methodologies to retrieve the best information from a data collection.
- Built a conversational system with a Large Language Model.
- **Technologies and areas explored:** Python, LLM, NLP, IR, and Data analysis.

Software Developer

Information and Communication Technology Services (STIC)

October 2022 to October 2023

Aveiro, Portugal

- MEO contract management platform at the University of Aveiro.
- **Technologies and areas explored:** Drupal, PHP and BPMN.

Education

MSc in Computer Science and Engineering

University of Aveiro

September 2022 to July 2024

Aveiro, Portugal

Dissertation: A conversational query builder on medical databases

- Streamline the process of medical database discovery through a conversational search system
- **Technologies and areas explored:** LLM, NLP, BM25, Python (FastAPI), and React
- **Grade:** 19

BSc in Computer Science and Engineering

Information and Communication Technology Services (STIC)

September 2019 to July 2022

Aveiro, Portugal

Publications



Using Flowise to Streamline Biomedical Data Discovery and Analysis

João Reis, João Almeida, Tiago Almeida and José Oliveira

22nd IEEE Mediterranean Electrotechnical Conference (MELECON), 2024

Article



HealthDBFinder: a question-answering task for health database discovery

João Almeida, Jorge Silva, Luís Afonso, Tiago Almeida, Rui Antunes, Richard Jonker, João Reis, Dimitri Silva, Sérgio Matos, and José Oliveira

37th IEEE International Symposium on Computer-Based Medical Systems (CBMS), 2024

Article



A chatbot-like platform to enhance the discovery of OMOP CDM databases

João Reis, João Almeida, Tiago Almeida and José Oliveira

34th Medical Informatics Europe Conference (MIE), 2024

Article



BIT.UA at BioASQ 12: From Retrieval to Answer Generation

Tiago Almeida, Richard Jonker, João Reis, João Almeida and Sérgio Matos

15th Conference and Labs of the Evaluation Forum (CLEF), 2024

Article



Ovar, Aveiro, Portugal



joaoaareis@outlook.com



(+351) 918 486 122



linkedin.com/in/joaoreis16



joaoreis.vercel.app



github.com/joaoreis16

Soft skills

- Communication
- Flexibility
- Organization
- Punctuality
- Creativity
- Team Work
- Adaptability
- Problem Solving

Technical skills

- Python
- Django
- Java
- JavaScript
- TypeScript
- Spring Boot
- Angular
- React
- HTML & CSS
- Docker
- SQL
- AWS
- Git
- NLP
- LLM
- C
- C++
- C#

Languages

Portuguese Native

English Professional proficiency

Interests

- Chess
- Travel
- Making music
- Individual Sports
- Cinema
- Math
- Technology